

PATENT ABSTRACTS OF JAPAN

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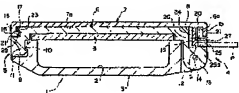
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(34) COSMETIC CONTAINER

(57) Abstract:
PROBLEM TO BE SOLVED: To provide a cosmetic container capable of meeting a request to prevent a decorated part from being partly peeled off or falling off a lid body, and capable of enhancing the flexibility to allow a purchaser to select the outer appearance as the purchaser likes.

SOLUTION: The cosmetic container comprises an interchangeable cover 7 replaceably mounted to cover the lid body 6, a flexibly deformable elastic piece 18 mounted to project from the replaceable cover, an internal corner part 20 formed in the elastic piece 18, a vertical slit 24 formed in the lid body in the vertical direction toward a hinge block 13 into which the elastic piece is detachably inserted, a projecting corner part 27 formed inside the vertical slit to be engaged with the internal corner part so as not to be detached in the vertical direction and so as to be detachable in the horizontal direction, and a lateral slit 25 formed in the hinge block in the horizontal direction, communicating with the vertical slit, for applying the pressure operation force in the horizontal direction to the elastic piece to detach the internal corner part from the projecting corner part.



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CLAIMS

[Claim(s)]

[Claim 1]

In the cosmetics container which prepared the hinge region which the lid which opens and closes the body of a container is made to hang in [this] one, and connects the lid concerned with this body of a container free [rotation].

Covering for exchange which covers this to the above-mentioned lid and is prepared in it, exchangeable, and the elastic piece which was made to project from this covering for exchange, and was prepared and in which flexible deformation is free, The internal-corner section formed in this elastic piece, and the vertical slit by which it is formed in the vertical direction over the above-mentioned lid, and the above-mentioned elastic piece is inserted in the above-mentioned hinge region free [insert and remove], it is formed in this vertical slit. To making impossible in the above-mentioned internal-corner section and the vertical direction. And the external corner section engaged horizontally free [engaging and releasing]. The cosmetics container

is characterized by having a horizontal slit for applying a press operating physical force horizontal to the above-mentioned elastic piece in order make the above-mentioned hinge region open for free passage with the above-mentioned vertical slit, to be formed horizontally and to make the above-mentioned internal-corner section secude from the above-mentioned external corner section

[Claim 2]

The cosmetics container according to claim 1 characterized by forming the wedge-like clearance which raises a part of press operating physical force, and is changed into the force between said elastic pieces and said horizontal slit in order to raise this elastic piece along with said vertical slit.

[Translation done.]

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[Field of the Invention]

This invention relates to the cosmetics container which can raise the degree of freedom as to which it can respond to the request that that it is also partial separates and a decoration part does not fall out from a lid, and a purchaser can choose an appearance again according to liking.

[Description of the Prior Art]

Generally, a cosmetics container is equipped with the body of a container which contains cosmetics, and the lid which opens this body of a container or is closed, and is constituted. And in order to raise the design nature of these containers and lid which make the appearance of a cosmetics container, decoration is given by various approaches from the former. For example, and the pattern etc. was etched upwards using the imprint sheet, transparency and a translucent layer are piled [an aliphatic character a pattern, etc. are imprinted, or] up, and it is made to ornament at the body of a container, or a lid. [that sputtering etc. performs surface treatment]

[0003] In addition, the applicant for this patent has applied for the application for patent 2001-249000 as related precedence application.

[Problems] to be Solved by the Invention]

By the way, it is the purpose of offering the cosmetics container as a product in the high quality which is full of a high-class feeling if it is in the conventional cosmetics container, that it is also partial separates and a decoration part falls out neither from the body of a container, nor a lid — as the above — even if it was in a decoration approach, separation impossible had mutually the request that it had to form in one so that a decoration part might become really indivisible to the body of a container, or a lid.

[0005] Such a request meant that the appearance of a cosmetics container was limited to the design which the producer selected on the other hand, and the purchaser had barred enabling it to choose the design appearance of a cosmetics container freely according to liking. For this reason, a purchaser cannot find the cosmetics container of the design included in mind, but is considered that this had become the cause of refinement from buying.

[0006] It aims at offering the cosmetics container which can raise the degree of freedom as which this invention can be originated in view of the above-mentioned conventional technical problem, and it can respond to the request that that it is also partial separates and a decoration part does not fall out, especially to a lid, and a purchaser can choose an appearance again according to liking.

[Means for Solving the Problem]

In the cosmetics container which prepared the hinge region which the cosmetics container

concerning the invention is made to hang in [this] one to the lid which opened and closes the body of a container, and connects the lid concerned with this body of a container free [rotation] Covering for exchange which covers this to the above-mentioned lid and is prepared in it exchangeable, and the elastic piece which was made to project from this covering for exchange, and was prepared and in which flexible deformation is free. The internal-corner section formed in the elastic piece, and the vertical slit by which it is formed in the vertical direction over the above-mentioned lid, and the above-mentioned elastic piece is inserted in the above-mentioned hinge region free [insert and remove] It is formed in this vertical slit, to making impossible in the above-mentioned internal-corner section and the vertical direction. And the external corner section engaged horizontally free [engaging and releasing] It is characterized by having a horizontal slit for applying a press operating physical force horizontal to the above-mentioned elastic piece in order make the above-mentioned hinge region open for free passage with the above-mentioned vertical slit, to be formed horizontally and to make the above-mentioned internal-corner section secude from the above-mentioned external corner section. It becomes possible to raise the degree of freedom as which it can respond to the request that that it is also partial separates and a decoration part does not fall out from a lid by this, and a purchaser can choose an appearance again according to liking.

[0008] Moreover, between said elastic pieces and said horizontal slits, in order to raise the elastic piece along with said vertical slit, it is characterized by forming the wedge-like clearance which raises a part of press operating physical force, and is changed into the force. Thereby, covering for exchange is lifted from a lid through an elastic piece, and the exchange operability of covering for exchange improves at the same time the internal-corner section secudes from the external section.

[Embodiment of the Invention]

Below 1 suitable operation, gesture of the cosmetics container concerning this invention is explained with reference to accompanying drawing at a detail. The drawing body 3 of the container made of synthetic resin with which the wedge-like groove 2 is formed at the cosmetics container 1 concerning this operation gesture was shown in drawing 1 — drawing 4. While connecting with the cross-direction back and of the body 3 of a container free [rotation] in the vertical direction] through a hinge 4 and opening and closing the body 3 of a container it is provided in the lid 6 made of the synthetic resin of the shape of a board which engages with the front end of the body 3 of a container free [engaging and releasing] through hook 5, and maintaining the closedown condition of the body 3 of a container concerned, and a lid 6 free [attachment and detachment], and a lid 6 mainly consists of coverings 7 for exchange made of wrap board-like synthetic resin exchangeable.

[0010] If it is in the example of illustration, although, as for the covering 7 for exchange, a flap-surface appearance profile is formed in the body 3 of these containers, a lid 6, and a list in the shape of a rectangle, you may be the shape of a polygon, and a circle configuration. The mirror 8 is attached in the rear face of lid 6.

[0011] Hook 5 consists of projection 10 for a hook which protruded in the hollow 9 formed in the front end of the body 3 of a container, and a piece 11 of a hook which hangs from the front end of a lid 6 and engages with the projection 10 for a hook free [engaging and releasing]. Moreover, a hinge 4 consists of that a hinge pin is inserted in the pin hole 14 which the hinge block 13, and a hinge region made to hang in one from the back end of a lid 6 was and between the pieces 12 of a hinge by which the pair protrusion was carried out from the back end of the body 3 of a container, and was further formed ranging from these hinge blocks 13 to the piece 12 of a hinge, and a hinge block 13 is connected with the body 3 of a container free [rotation] through the piece 12 of a hinge with a hinge pin.

[0012]

If the cosmetics container 1 and this operation gesture have the covering 7 for exchange, what

various kinds of various decoration was given is prepared so that a purchaser can choose the design appearance of a lid 6 freely according to liking. The decoration part given to the covering 7 for these exchanges is really formed in separation impossible in one indivisible by the approval of general common knowledge to the covering 7 for exchange so that that it is also partial may separate and it may not drop out. The covering 7 for exchange is formed with the almost same dimension so that the appearance profile may be in agreement with the appearance profile of the body 3 of a container, on a lid 6, covers this and plugs it up. The quality of the material of the covering 7 for exchange may be not only the product made of synthetic resin but metal.

[0007] For exchange may be not only the product made of synthetic resin but metal. The covering 7 for exchange is made to hang from the periphery edge to a lid 6 side, and the annular suspension section 13 is formed in it. Spacing is separated suitably crosswise [of the body 3 of a container / right-and-left], the engagement projected part 16 is formed in the suspension section 13 bolted in a hook 5 side by turning up to the inner-surface-of-tongue 12 side of the covering 7 for exchange, and the internal-corner section 17 angle attachment was carried out [the section] by this engagement projected part 16 is formed in it. Moreover,

interior-surface-of-tongue 14 is of the covering 7 for exchange is made to project from a hinge block 13 right above location to a lower part, and the elastic piece 18 is in which the deformation is horizontally free is formed in it. The lower limit of the elastic piece 18 is made to project behind [cross-section] a lid 6 from this, the stop projection 19 is formed in it, and the internal-corner section 20 by which angle attachment was carried out is formed in the elastic piece 18 of this stop projection 19.

[0008] On the other hand, a lid 6 is made to project from peripheral-wall 8a to the method of outside, and the annular flange 21 in which the press operation is possible is formed in the covering 7 for exchange is formed in it. Moreover, by following this, the engagement groove 22 for inserting the engagement projected part 16 of the covering 7 for exchange [insert and remove] is formed in peripheral-wall 8a located at a hook 5 side, and the external corner section 23 by which angle attachment was carried out in this engagement groove 22 is formed. And the internal-corner section 17 is engaged horizontally free [engaging and releasing] impossible [balancing] in the vertical direction to the external corner section 23 by coupling with the covering 7 for exchange from the hook 5 side of a lid 6, and inserting the engagement projected part 16 in the engagement groove 22.

[0009] Moreover, while the vertical slit 24 which is crossed to a lid 6 to a hinge block 13 and by which the elastic piece 18 is inserted in the vertical direction free [insert and remove] is formed, a hinge block 13 is made open for free passage with the vertical slit 24, the horizontal slit 23 is horizontally formed in it, and a character-like through-hole is formed in a hinge block 13 of these length slit 24 and the horizontal slit 25. In the vertical slit 24, it is made to project from that inside toward the stop projection 19 of the elastic piece 18 to the cross-direction front of a lid 6, the convex rib 26 is formed, and the external corner section 27 which faces the internal-corner section 20 by which angle attachment was carried out with this convex rib 26 is formed. And this external corner section 27 is engaged in the internal-corner section 20 and the vertical direction horizontally free [engaging and releasing] impossible [balancing] by stopping the stop projection 19 of the elastic piece 18 inserted into the vertical slit 24 under the convex rib 26.

[0010] It has the horizontal slit 25 in order make the internal-corner section 20 secude from the external corner section 27 and to apply a press operating physical force horizontal to the elastic piece 18, and it is opened for free passage with the vertical slit 24 concerned to the location of the stop projection 19 of the elastic piece 18 inserted into the vertical slit 24 attains. And the elastic piece 18 can be made to transform into this horizontal slit 25 horizontally with the press actuation implement P which the press actuation implements P, such as ood for carrying out press actuation, were inserted, and the elastic piece 18 now.

[0017]

Furthermore, if it is in the stop projection 19 and the convex rib 26, as shown in drawing 2, the

field which faces mutually in the process in which the stop projection 19 overcomes the convex rib 26 is formed in respect of [28 and 29] a taper, in order to make the rising *** smooth. Again and between the taper side 28 of the stop projection 19, and base 25a of the horizontal slit 25. In order to raise the elastic piece 18 along with the vertical slit 24, it goes in the inner part of the horizontal slit 24. That is, it is narrowed one by one along the path of insertion of the press actuation implement P, and the clearance G between the shape of a wedge which raises a part of the press operation physical force, and is changed into the force is formed by inserting the press actuation implement P inserted into the horizontal slit 25.

[0018] If an operation of the cosmetics container 1 concerning this operation getsit explains, in case the purchaser who purchased the cosmetics container 1 exchanges for the new covering 7 for exchange or other designs the covering 7 for exchange with which the lid 6 is equipped, as shown in drawing 1, a press actuation implement P will insert into the horizontal slit 23 toward the stop projection 19 of the elastic piece 18 which is at the convex rib 26 and a stop condition within a hinge block 13. And when press actuation of the stop projection 19 is carried out with the press actuation implement P, as it is shown in drawing 3, while flexible deformation of the elastic piece 18 is horizontally carried out within the vertical slit 24, the internal-corner section 20 secude from the external corner section 27 in connection with this flexible deformation and the stop condition of the covering 7 for exchange over a lid 6 is canceled. The operation whose press actuation implement P inserted in the past, the clearance G which convex ribs 26 and 25a of the horizontal slit 25 raises the elastic piece 18 up is also done. The elastic piece 18 is engaged in the engagement groove 22 of these place 17, and the external corner section 27, by raising, as shown in drawing 4, it is bounded and raised, and it makes and the covering 7 for exchange is separated from a lid 6.

[0019] After that, if the covering 7 for exchange is extruded ahead of [horizontal] a lid 6, the engagement projected part 16 can be made to be able to secude from the engagement groove 22, and thereby, the covering 7 for exchange can be removed from a lid 6.

[0020] subsequently, in case a lid 6 is equipped with the new covering 7 for exchange. While inserting the engagement projected part 16 into the engagement groove 22 and making it engage with a lid 6 front-end side, it covers to a lid 6 back-end side. If the elastic piece 18 is inserted into the vertical slit 24 and the covering 7 for exchange is pushed toward a lid 6 as it is, while the stop projection 19 overcomes the convex rib 26 with flexible deformation of the elastic piece 18, it engages with the external corner section 27 and thereby, the internal-corner section 20 can lay the new covering 7 for exchange on top of a lid 6, and can attach it.

[0021] If it is in the cosmetics container 1 concerning this operation getsit as explained above. The covering 7 for exchange which covers this to a lid 6 and is prepared in it, exchangeable, and the elastic piece 18 which was made to project from the covering 7 for exchange, and was prepared in it, while flexible deformation is free. The internal-corner section 20 formed in the elastic piece 18, and the vertical slit 24 by which it is formed in the vertical direction over a lid 6, and the elastic piece 18 is inserted in a hinge block 13 free [insert and remove]. It is formed in the vertical slit 24, talking impossible in the internal-corner section 20 and the vertical direction. And the external corner section 27 engaged horizontally free [engaging and releasing]. Since it had the horizontal slit 25 for applying a press operating physical force horizontal to the elastic piece 18 in order make a hinge block 13 open for free passage with the vertical slit 24 to have been formed horizontally, and to have made the internal-corner section 20 secude from the external corner section 27, the appearance of the cosmetics container 1 is limited to the design which the producer selected — there is nothing — as the cosmetics container — a purchaser — taking — responding — an appearance — a degree of freedom — it shall choose highly and, thereby, attractiveness to consumers shall be raised.

[0022]

Moreover, as covering 7 for exchange, like the conventional lid etc., that it is also partial separates, and a decoration part does not fall out from the covering 7 for exchange, and the cosmetics container 1 as a product, can be offered in the high quality which is full of a high-class feeling without the former and inferiority that what is necessary is just to form the decoration part of each other in separation impossible in one really industry therefore.

[0023]

Moreover, the engagement projected part 16, the engagement groove 22, and the convex rib 26 that engages with a list at the stop projection 19, the stop projection 19 of the convex rib 26 and the elastic piece 18 by which especially flexible deformation is carried out, and the fly having attachment with baking impossible free (engaging and releasing) in the vertical direction in the internal-corner sections 17 and 20 and the external corner sections 23 and 27 by which single attachment was carried out. Even if it can attach the covering 7 for exchange in a lid 6 freely, it can fix and a big impact, joins the cosmetics container 1 by fall etc., the covering 7 for exchange can prevent dropping out of a lid 6 simply carried out at a lid 6, by the forcing actuation of the covering 7 for exchange to a lid 6, and press actuation from the horizontal slit 25 of carrying out flexible deformation of the elastic piece 18, the stop projection 19 and the convex rib 26 can be made to slide to engage and release, and covering 7 for exchange can be exchanged easily.

[0024]

In order to raise the elastic piece 18 along with the vertical slit 24 especially between the lower side 28 of the stop projection 19, and base 25a of the hinge block 13. Since this hinge block 13, the elastic piece 18 is a part, press actuation physical force and it changing into the force clearance G which is a part, press actuation physical force and it changing into the force clearance G, it can be raised. In this way, the covering 7 for exchange has been bonded to a lid 6, the elastic piece 18, using this wedge-like clearance G — raising — thereby a user. Since the covering 7 for exchange will be in the condition of having lost touch with a lid 6 while the covering 7 for exchange can carry out learning of having exceeded from the lid 6, the covering 7 for exchange can be easily removed from a lid 6 rather than the case where these both pile up.

[0025]

Moreover, the function carried out smoothly also has a stop with the convex rib 26, and the base side 28 of the stop projection 19 can be carried out smoothly in wearing actuation of the covering 7 for exchange. Furthermore, it can prevent that are trying to form the vertical slit 24 and the horizontal slit 25 for using a hinge block 13, and the dimension of the cosmetics container 1 benefits large exchange actuation of the covering 7 for exchange. Moreover, since the vertical slit 24 is formed in the lid 6 covered with the covering 7 for exchange and the horizontal slit 25 was formed in the hinge block 13, these slits 24 and 25 used for exchange actuation cannot be conspicuous, and the appearance of the cosmetics container 1 can be kept good.

[0026]

The modification of the above-mentioned operation gestalt is shown in drawing 5 and drawing 6. In this modification, the suspension section 15 by the side of a hinge 4 is made to meet, and the elastic piece 18 is formed in one with this. Even if it is in such a modification, of course, the same operation and effectiveness as the above-mentioned operation gestalt are done so, if it is especially in this modification, while being able to make shallow the immersion depth of the press actuation implement P required for engagement disengage and being able to improve operability, the metal mold configuration for fabricating the covering 7 for exchange can be simplified.

[0027]

[Effect of the Invention]

Above, in short, if it is in the cosmetics container concerning this invention, the degree of freedom as which it can respond to the request that that it is also partial separates and a decoration part does not fall out from a lid, and a purchaser can choose an appearance again according to liking can be raised.

[Brief Description of the Drawings]

[Drawing 1] It is the sectional side elevation showing 1 suitable operation gestalt of the

cosmetics container concerning this invention.

[Drawing 2] It is the decomposition (drawn sectional view of the cosmetics container of drawing 1.

[Drawing 3] In the cosmetics container of drawing 1, it is the partial expansion sectional side elevation of the hinge block circumference showing the first phase of removing covering for exchange.

[Drawing 4] In the cosmetics container of drawing 1, it is the partial expansion sectional side elevation of the hinge block circumference showing the phase of the last which removes covering for exchange.

[Drawing 5] It is the partial expansion sectional side elevation of the hinge block circumference showing the modification of the cosmetics container concerning this invention.

[Drawing 6] It is the partial expansion decomposition (drawn sectional view showing the hinge block circumference of the cosmetics container of drawing 5.

Description of Figures:
1 Cosmetics Container 3 Body of Container

6 Lid 7 Covering for Exchange

13 Hinge Block 18 Elastic Piece

20 Horizontal Section 24 Vertical Slit

25 Hinge Block 27 External Corner Section

G Wedge-like Clearance

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the sectional side elevation showing 1 suitable operation gestalt of the cosmetics container concerning this invention.

[Drawing 2] It is the decomposition strabism sectional view of the cosmetics container of drawing 1.

[Drawing 3] In the cosmetics container of drawing 1, it is the partial expansion sectional side elevation of the hinge block circumference showing the first phase of removing covering for exchange.

[Drawing 4] In the cosmetics container of drawing 1, it is the partial expansion sectional side elevation of the hinge block circumference showing the phase of the last which removes covering for exchange.

[Drawing 5] It is the partial expansion sectional side elevation of the hinge block circumference showing the modification of the cosmetics container concerning this invention.

[Drawing 6] It is the partial expansion decomposition strabism sectional view showing the hinge block circumference of the cosmetics container of drawing 5.

[Description of Notations]

1 Cosmetics Container 3 Body of Container

6 Lid 7 Covering for Exchange

13 Hinge Block 18 Elastic Piece

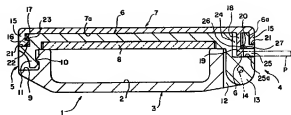
20 Internal-Corner Section 24 Vertical Slot

25 Horizontal Slot 27 External Corner Section

G Wedge-like clearance

[Translation done.]

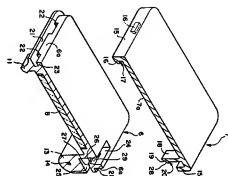
【図 1】



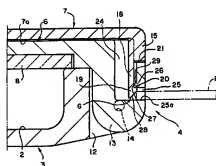
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【図 2】



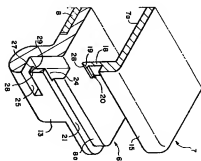
【図 3】



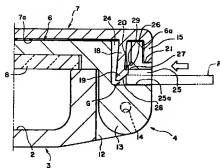
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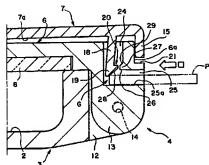
【図 4】



【図 5】



【図 6】



フロンページの続き

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